AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning at page 12, line 17 with the following paragraph.

"Each of the anode side diffusion layer 3 and the cathode side diffusion layer 4 is including a porous metal body such as one made of stainless steel, ~~Hastelloy~~HASTELLOY®, ~~Inconel~~INCONEL®, Au, Cu, Ni, Al, or Ti. The anode side diffusion layer 3 diffuses a fuel gas that is supplied through a fuel flow passage 8, which will be explained later, and uniformly supplies the diffused fuel gas to the entire surface of the anode electrode of the membrane electrode assembly 2. The cathode side diffusion layer 4 diffuses an oxidizing gas that is supplied through an oxidizer flow passage, which will be explained later, and uniformly supplies the diffused oxidizing gas to the entire surface of the cathode electrode of the membrane electrode assembly 2."

Please replace the paragraph beginning at page 13, line 1 with the following paragraph.

"The anode side separator 5 and the cathode side separator 6 are made of metal such as stainless steel, ~~Hastelloy~~HASTELLOY®, ~~Inconel~~INCONEL®, Au, Cu, Ni, Al, or Ti, and are formed by press-forming a metal plate so as to provide a corrugated cross section in which partially flat concave and convex portions are disposed alternately."

Please replace the paragraph beginning at page 18, line with the following paragraph.

"Each of the anode side diffusion layer 103 and the cathode side diffusion layer 104 is made of a porous metal body such as one made of stainless steel, ~~Hastelloy~~HASTELLOY®, ~~Inconel~~INCONEL®, Au, Cu, Ni, Al, or Ti. In the anode side diffusion layer 103, there are formed fuel flow passages 121 which are defined by flow passage partitions 103b. In the cathode side diffusion layer 104, there are formed oxidizer flow passages 122 which are defined by flow passage partitions 104b. The thickness of the diffusion layers 103 and 104 is set in a range from 50 to 300 μm.

Please replace the paragraph beginning at page 18, line 17 with the following paragraph.

"The anode side separator 105 and the cathode side separator 106 are made of flat metal plates having thicknesses of from 50 to 200 μm, and may be made of stainless steel, ~~Hastelloy~~HASTELLOY®, ~~Inconel~~INCONEL®, Au, Cu, Ni, Al, or Ti. The separator 105 has surface contact with the corresponding diffusion layer 103 and is laser-welded therewith. The separator 106 has surface contact with the corresponding diffusion layer 104 and is laser-welded therewith."

Please replace the paragraph beginning at page 23, line 7 with the following paragraph.

"In the fuel cell stack S2, between the fuel cell units 101 and 101 adjacent to each other, ~~where~~while the coolant flow passages (110 in Fig. 5) are formed in the case of the fourth embodiment, there is provided a cooling layer 108 made of a porous metal body such as one made of stainless steel, ~~Hastelloy~~HASTELLOY®, ~~Inconel~~INCONEL®, Au, Cu, Ni, Al, or Ti. In other words, not only has the anode side diffusion layer 103 been laser-welded with the anode side separator 105, but also the cooling layer 108 has been laser-welded with the anode side separator 105, i.e., the anode side diffusion layer 103, the anode side separator 105, and the cooling layer 108 are welded together to form the separator assembly 107A. In the cooling layer 108, there are formed coolant flow passages 123, which are defined by flow passage partitions 108b, for allowing coolant to flow through."